

FILE 'HOME' ENTERED AT 11:06:06 ON 12 JUN 2000

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

'WPIDS' IS CURRENTLY UNAVAILABLE

'WPINDEX' IS CURRENTLY UNAVAILABLE

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU,
DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:06:19 ON 12 JUN 2000

54 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s chrysosporium?

2	FILE ADISALERTS
1	FILE ADISINSIGHT
994	FILE AGRICOLA
4	FILE AIDSLINE
10	FILE ANABSTR
27	FILE AQUASCI
412	FILE BIOBUSINESS
35	FILE BIOCOMMERCE
2179	FILE BIOSIS
1267	FILE BIOTECHABS
1267	FILE BIOTECHDS
812	FILE BIOTECHNO
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8	FILE CANCERLIT
2318	FILE CAPLUS
465	FILE CEABA
4	FILE CEN
13	FILE CIN
94	FILE CONFSCI
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25	FILE DDFU
78	FILE DGENE
1	FILE DRUGB
26	FILE DRUGU
5	FILE EMBAL
915	FILE EMBASE
470	FILE ESBIODASE

32 FILES SEARCHED...

34	FILE FROSTI
170	FILE FSTA
103	FILE GENBANK
18	FILE HEALSAFE
45	FILE IFIPAT
143	FILE JICST-EPLUS
1	FILE KOSMET
1028	FILE LIFESCI
728	FILE MEDLINE
4	FILE NIOSHTIC
70	FILE NTIS
1	FILE OCEAN

1 FILE PHAR
49 FILE PROMT
2572 FILE SCISEARCH
597 FILE TOXLINE
507 FILE TOXLIT
213 FILE USPATFULL

47 FILES HAVE ONE OR MORE ANSWERS, 54 FILES SEARCHED IN STNINDEX

L1 QUE CHRYSOSPORIUM?

=> file hit

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.55	2.76

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=> s l1 and (lucknowense or pannorum or keratinophilium or lobatum or merdarium or queenslandicum or tropicum or lignorim)

17 FILES SEARCHED...
39 FILES SEARCHED...
L2 861 L1 AND (LUCKNOWENSE OR PANNORUM OR KERATINOPHILIUM OR LOBATUM
OR MERDARIUM OR QUEENSLANDICUM OR TROPICUM OR LIGNORIM)

=> s l2 and cellulas?

34 FILES SEARCHED...
L3 11 L2 AND CELLULAS?

=> s l3 and py<=1996

3 FILES SEARCHED...
5 FILES SEARCHED...
7 FILES SEARCHED...
8 FILES SEARCHED...
10 FILES SEARCHED...
11 FILES SEARCHED...
14 FILES SEARCHED...
17 FILES SEARCHED...
'1996' NOT A VALID FIELD CODE
23 FILES SEARCHED...
24 FILES SEARCHED...
28 FILES SEARCHED...
31 FILES SEARCHED...
34 FILES SEARCHED...
'1996' NOT A VALID FIELD CODE
41 FILES SEARCHED...
'1996' NOT A VALID FIELD CODE
L4 2 L3 AND PY<=1996

=> d ibib ab 1

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1981:600607 CAPLUS
DOCUMENT NUMBER: 95:200607
TITLE: Cellulolytic activity of some thermophilic and
thermotolerant fungi of Pakistan
AUTHOR(S): Qureshi, M. Shabbeer Ahmad; Mirza, J. H.; Malik, K. A.
CORPORATE SOURCE: Dep. Bot., Gov. Coll., Faisalabad, Fr.
SOURCE: Biologia (Lahore) (1980), 26(1-2), 201-17
CODEN: BILGA6; ISSN: 0006-3096
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Cellulolytic activity of 28 species of thermophilic and thermotolerant

fungi from 274 isolates obtained from 171 samples of substrates from different parts of Pakistan was investigated by 4 methods. Nineteen species (viz., *Absidia blakesleeana*, *A. corymbifera*, *Aspergillus fumigatus*, *A. ochraceus*, *A. sydowi*, *A. terreus*, *A. violaceus*, *Chaetomium thermophile* var *coprophile* and *dispositum*, ***Chrysosporium tropicum***, *Geotrichum candidum*, *Gilmaniella thermophila*, *Hemicella griesea* var *thermoidea*, *H. insolens*, *Melanocarpus albomyces*, *Myceliophthora thermophilum*, *Papulaspora thermophila*, *Penicillium dupontii*, and *Torula thermophila* were found to be cellulolytic by one or another of the methods. Nine species (*Aspergillus ficum*, *A. unilateralis*, *Calcarisporiella thermophila*, *Mucor miehei*, *M. pusillus*, *M. varians*, *Rhizomucor pakistanicus*, *Rhizopus arrhizus*, and *Thermomyces lanuginosus* proved to be noncellulolytic by all of the methods employed.

=> d ibib ab 2

L4 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2000 BIOSIS
 ACCESSION NUMBER: 1984:48202 BIOSIS
 DOCUMENT NUMBER: BR26:48202
 TITLE: ASSOCIATION BETWEEN **CHRYSPORIUM-PANNORIUM** AND **MUCOR-HIEMALIS** IN POA-FLABELLATA LITTER.
 AUTHOR(S): HURST J L; PUGH G J F
 CORPORATE SOURCE: DEP. OF BIOL. SCI., UNIV. OF ASTON IN BIRMINGHAM, GOSTA GREEN, BIRMINGHAM B4 7ET.
 SOURCE: Trans. Br. Mycol. Soc., (1983) 81 (1), 151-153.
 CODEN: BMSTA6. ISSN: 0007-1536.
 FILE SEGMENT: BR; OLD
 LANGUAGE: English

=> d hit 2

L4 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2000 BIOSIS
 TI ASSOCIATION BETWEEN **CHRYSPORIUM-PANNORIUM** AND **MUCOR-HIEMALIS** IN POA-FLABELLATA LITTER.
 SO Trans. Br. Mycol. Soc., (1983) 81 (1), 151-153.
 CODEN: BMSTA6. ISSN: 0007-1536.
 IT Miscellaneous Descriptors
 SECONDARY SUGAR FUNGUS GLUCOSE **CELLULASE** PRODUCTION
 RN 50-99-7 (GLUCOSE)
 9012-54-8 (**CELLULASE**)

=> s 15

L6 3806 L5

=> s 16 and (lucknowense or pannorum or keratinophilium or lobatum or merdarium or queenslandicum or tropicum or lignorim)

19 FILES SEARCHED...

L7 72 L6 AND (LUCKNOWENSE OR PANNORUM OR KERATINOPHILIUM OR LOBATUM
OR MERDARIUM OR QUEENSLANDICUM OR TROPICUM OR LIGNORIM)

=> dup rem 17

DUPLICATE IS NOT AVAILABLE IN 'DGENE, DPCI'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L7

L8 69 DUP REM L7 (3 DUPLICATES REMOVED)

=> s 18 and cellulas?

11 FILES SEARCHED...

L9 8 L8 AND CELLULAS?

=> d ibib ab 1

L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1999:732309 CAPLUS

DOCUMENT NUMBER: 132:35242

TITLE: Influence of increasing concentrations of copper on
soil micromycetes

AUTHOR(S): Lebedeva, E. V.; Nazarenko, A. V.; Vozlova, I. V.;
Tomilin, B. A.

CORPORATE SOURCE: Bot. Inst. im. V.L. Komarova, RAN, St.Petersburg,
Russia

SOURCE: Mikol. Fitopatol. (1999), 33(4), 257-265

CODEN: MIFIB2; ISSN: 0026-3648

PUBLISHER: Nauka

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Common trends in organization of the structure of micromycetes complexes
in polluted soils and in exptl. conditions with increasing concns. of Cu++
in soil were studied. Micromycetes from expts. could be divided into 4
groups according to their Cu++ sensibility: extrasensitive (when the
fungus is eliminated from the community at Cu concns. of 100-300 mg/kg);
stimulated by low concns. of copper (100-300 mg/kg); moderately tolerant
(surviving concns. of less than 1000 mg/kg); highly resistant (tolerating
concns. up to 8000 mg/kg). Development of phytopathogens *Verticillium* spp.
was obsd. under high levels of Cu++ ions (1000-8000 mg/kg). Some species
(such as *Torula lucifiga* and *Aspergillus usrus*) showed increased
cellulase activity at high levels of Cu++ ions in soil.

=> d ibib ab 2

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1998:239294 CAPLUS

DOCUMENT NUMBER: 128:280236

TITLE: **Chrysosporium cellulase** and its
fermentative preparation and use for treating fabrics
or biobleaching of paper or pulp

INVENTOR(S): Emalfarb, Mark Aaron; Solovjeva, Irina Vladimirovna;
Ben-Bassat, Arie; Burlingame, Richard P.;
Chernoglazov, Vladimir Mikhaylovich; Okounev, Oleg
Nicolaevich; Olson, Philip T.; et al.

PATENT ASSIGNEE(S): Emalfarb, Mark Aaron, USA; Solovjeva, Irina
 Vladimir Ivna; Ben-Bassat, Arie; Burling, Richard
 P.; Chernoglazov, Vladimir Mikhaylovich; Okounev, Oleg
 Nicolaevich
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9815633	A1	19980416	WO 1997-US17669	19970930
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 5811381	A	19980922	US 1996-731170	19961010
AU 9747415	A1	19980505	AU 1997-47415	19970930
EP 932688	A1	19990804	EP 1997-909913	19970930
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
CN 1237207	A	19991201	CN 1997-199686	19970930
US 6015707	A	20000118	US 1998-106026	19980629
PRIORITY APPLN. INFO.:			US 1996-731170	19961010
			WO 1997-US17669	19970930

AB The subject invention relates to novel compns. of neutral and/or alk. **cellulase** and methods for obtaining neutral and/or alk. **cellulase** compns. from **Chrysosporium** cultures, in particular **Chrysosporium lucknowense**. This invention also provides mutants and methods of generating mutants of **Chrysosporium** capable of producing neutral and/or alk. **cellulase**. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alk. **cellulase** compn. In addn., this invention provides methods of culturing **Chrysosporium** to produce neutral and/or alk. **cellulases**. The **cellulase** from **Chrysosporium lucknowense** strain Garg 27K has peak enzymic activity between about pH 5.5 to about 7.5 at 40-60.degree.. The neutral and/or alk. **cellulase** compns. of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking, color brightening, depilling and biobleaching of paper and pulp and treatment of waste streams. The present invention also relates to the isolation and purifn. of **cellulase** enzymes, having glucanase and cellobiohydrolase activity, and useful for stonewashing applications.

=> d ibib ab 3

L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1981:600607 CAPLUS
 DOCUMENT NUMBER: 95:200607
 TITLE: Cellulolytic activity of some thermophilic and thermotolerant fungi of Pakistan
 AUTHOR(S): Qureshi, M. Shabbeer Ahmad; Mirza, J. H.; Malik, K. A.
 CORPORATE SOURCE: Dep. Bot., Gov. Coll., Faisalabad, Fr.
 SOURCE: Biologia (Lahore) (1980), 26(1-2), 201-17
 CODEN: BILGA6; ISSN: 0006-3096
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Cellulolytic activity of 28 species of thermophilic and thermotolerant fungi from 274 isolates obtained from 171 samples of substrates from different parts of Pakistan was investigated by 4 methods. Nineteen

species (viz., Absidia blakesleeana, A. corymbifera, Aspergillus fumigatus, A. ochraceus, A. sydowi, A. terreus, A. violaceus, Chaetomium thermophile var coprophile and dissitum, **Chrysosporium tropicum**, Geotrichum candidum, Gilmaniella thermophila, Humicola griesea var thermoidea, H. insolens, Melanocarpus albomyces, Myceliophthora thermophilum, Papulaspora thermophila, Penicillium dupontii, and Torula thermophila were found to be cellulolytic by one or another of the methods. Nine species (Aspergillus ficuum, A. unilateralis, Calcarisporiella thermophila, Mucor miehei, M. pusillus, M. varians, Rhizomucor pakistanicus, Rhizopus arrhizus, and Thermomyces lanuginosus proved to be noncellulolytic by all of the methods employed.

=> d ibib ab 4

L9 ANSWER 4 OF 8 USPATFULL

ACCESSION NUMBER: 2000:7208 USPATFULL
 TITLE: Treating cellulosic materials with **cellulases** from **chrysosporium**
 INVENTOR(S): Emalfarb, Mark Aaron, Jupiter, FL, United States
 Ben-Bassat, Arie, Wilmington, DE, United States
 Sinitsyn, Arkady Panteleimonovich, Moscow, Russian Federation
 PATENT ASSIGNEE(S): Emalfarb, Mark A., Jupiter, FL, United States (U.S. individual)

	NUMBER	DATE
PATENT INFORMATION:	US 6015707	20000118
APPLICATION INFO.:	US 1998-106026	19980629 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-731170, filed on 10 Oct 1996, now patented, Pat. No. US 5811381	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Wax, Robert A.	
LEGAL REPRESENTATIVE:	Morgan & Finnegan, LLP	
NUMBER OF CLAIMS:	50	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1900	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to novel compositions of neutral and/or alkaline **cellulase** and methods for obtaining neutral and/or alkaline **cellulase** compositions from **Chrysosporium** cultures, in particular **Chrysosporium lucknowense**. This invention also provides mutants and methods of generating mutants of **Chrysosporium** capable of producing neutral and/or alkaline **cellulase**. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alkaline **cellulase** composition. In addition, this invention provides methods of culturing **Chrysosporium** to produce neutral and/or alkaline **cellulases**. The neutral and/or alkaline **cellulase** compositions of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking and biobleaching of paper & pulp and treatment of waste streams.

=> d ibib ab 5

L9 ANSWER 5 OF 8 USPATFULL

ACCESSION NUMBER: 1998:115696 USPATFULL
 TITLE: **Cellulase** compositions and methods of use
 INVENTOR(S): Emalfarb, Mark Aaron, Jupiter, FL, United States
 Ben-Bassat, Arie, Wilmington, DE, United States
 Burlingame, Richard P., Manitowoc, WI, United States
 Chernoglazov, Vladimir Mikhaylovich, Moscow, Russian Federation
 Okounev, Oleg Nicolaevich, Moscow, Russian Federation

Olson, Philip T., Manitowoc, WI, United States
Sinitzky, Arkady Panteleimonovich, Moscow, Russian
Federation
Solovjeva, Irina Vladimirovna, Moscow Region, Russian
Federation
PATENT ASSIGNEE(S): Emalfarb, Mark A., Jupiter, FL, United States (U.S.
individual)

	NUMBER	DATE
PATENT INFORMATION:	US 5811381	19980922
APPLICATION INFO.:	US 7311702	19961010 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Lau, Kawai	
LEGAL REPRESENTATIVE:	Morgan & Finnegan	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	12	
LINE COUNT:	2026	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to novel compositions of neutral and/or alkaline **cellulase** and methods for obtaining neutral and/or alkaline **cellulase** compositions from **Chrysosporium** cultures, in particular **Chrysosporium lucknowense**. This invention also provides mutants and methods of generating mutants of **Chrysosporium** capable of producing neutral and/or alkaline cellulose. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alkaline **cellulase** composition. In addition, this invention provides methods of culturing **Chrysosporium** to produce neutral and/or alkaline **cellulases**. The neutral and/or alkaline **cellulase** compositions of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking and biobleaching of paper & pulp and treatment of waste streams.

=> d ibib ab 6

L9 ANSWER 6 OF 8 IFIPAT COPYRIGHT 2000 IFI
AN 3043677 IFIPAT;IFIUDB;IFICDB
TITLE: **CELLULASE** COMPOSITIONS AND METHODS OF USE;
FROM **CHRYSOSPORIUM LUCKNOWENSE**;
FOR CLOTHES WASHING TREATMENT
INVENTOR(S): Ben-Bassat, Arie, Wilmington, DE
Burlingame, Richard P., Manitowoc, WI
Chernoglazov, Vladimir Mikhaylovich, Moscow, RU
Emalfarb, Mark Aaron, Jupiter, FL
Okounev, Oleg Nicolaevich, Moscow, RU
Olson, Philip T., Manitowoc, WI
Sinitzky, Arkady Panteleimonovich, Moscow, RU
Solovjeva, Irina Vladimirovna, Moscow Region, RU
PATENT ASSIGNEE(S): Emalfarb, Mark A., Jupiter, FL
PRIMARY EXAMINER: Lau, Kawai
AGENT: Morgan & Finnegan

	NUMBER	DATE
PATENT INFORMATION:	US 5811381	19980922
APPLICATION INFORMATION:	US 1996-731170	19961010
EXPIRATION DATE:	10 Oct 2016	
FAMILY INFORMATION:	US 5811381	19980922
DOCUMENT TYPE:	UTILITY; REASSIGNED	
FILE SEGMENT:	CHEMICAL	
MICROFILM REEL NO:	008369	FRAME NO: 0977
NUMBER OF CLAIMS:	44	

AB The subject invention relates to novel compositions of neutral and/or alkaline **cellulase** and methods for obtaining neutral and/or alkaline **cellulase** compositions from **Chrysosporium**

cultures, in particular **Chrysosporium lucknowense**.
This invention also provides mutants and methods of generating mutants of **Chrysosporium** capable of producing neutral and/or alkaline cellulose. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alkaline **cellulase** composition.
In addition, this invention provides methods of culturing **Chrysosporium** to produce neutral and/or alkaline **cellulases**. The neutral and/or alkaline **cellulase** compositions of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking and biobleaching of paper & pulp and treatment of waste streams.

=> d ibib ab 7

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=> d ibib ab 8

L9 ANSWER 8 OF 8 PATOSEP COPYRIGHT 2000 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1997:594593 PATOSEP ED 19990812 EW 199931 FS OS
TITLE: **CHRYSOPOURIUM CELLULASE** AND METHODS OF USE.
CHRYSOPOURIUM CELLULASE UND VERFAHREN ZUR VERWENDUNG.
CELLULASE OBTENUE PAR **CHRYSOPOURIUM** ET PROCEDES D'UTILISATION.
INVENTOR(S): EMALFARB, Mark, Aaron, 193 Spyglass Court, Jupiter, FL 33477, US;
SOLOVJEVA, Irina Vladimirovna, B35-101, Pushchino, Moscow Region, 142292, RU;
BEN-BASSAT, Arie, 73 Ball Farm Way, Wilmington, DE 19808, US;
BURLINGAME, Richard, P., 808 North 9th Street, Manitowoc, WI 54220, US;
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AGENT NUMBER:
SOURCE: Wila-EPZ-1999-H31-T1a
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R

GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale
Anmeldung)

PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 932688	A1	19990804
		19990804
EP 1997-909913		19970930
US 1996-731170		19961010
WO 97-US17669	970930	INTAKZ
WO 9815633	980416	INTPNR

EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)

EPLS LEGAL STATUS

ABEN WO-ABSTRACT:

The subject invention relates to novel compositions of neutral and/or alkaline **cellulase** and methods for obtaining neutral and/or alkaline **cellulase** compositions from (**Chrysosporium**) cultures, in particular (**Chrysosporium lucknowense**). This invention also provides mutants and methods of generating mutants of (**Chrysosporium**) capable of producing neutral and/or alkaline **cellulase**. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alkaline **cellulase** composition. In addition, this invention provides methods of culturing (**Chrysosporium**) to produce neutral and/or alkaline **cellulases**. The neutral and/or alkaline **cellulase** compositions of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking, color brightening, depilling and biobleaching of paper and pulp and treatment of waste streams. The present invention also relates to the isolation and purification of **cellulase** enzymes, having glucanase and cellobiohydrolase activity, and useful for stonewashing applications.